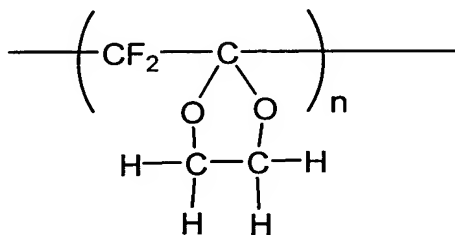


AMENDMENTS TO THE CLAIMS:

Please amend the claims as follows:

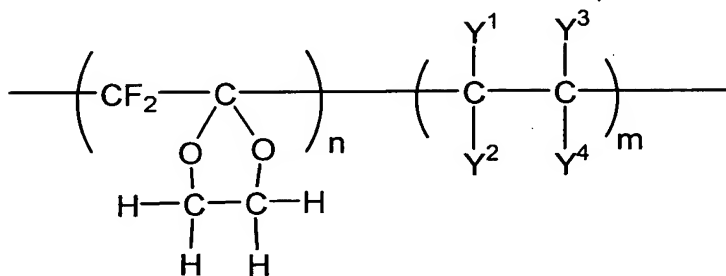
1. (Currently Amended) A fluorinated polymer comprising ~~an~~ a unit represented by the following formula (1).



Formula (1)

2. (Currently Amended) The fluorinated polymer according to ~~the~~ claim 1, wherein the fluorinated polymer is a homopolymer.

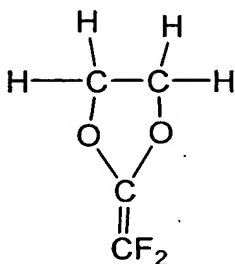
3. (Currently Amended) The fluorinated polymer according to claim 1, wherein the fluorinated polymer is represented by ~~the following~~ formula (2),



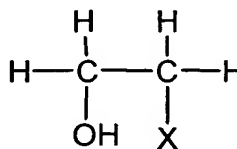
Formula (2)

wherein: ~~in Formula (2)~~, Y^1 to Y^4 each independently ~~represent~~ represents a hydrogen atom, fluorine atom, or chlorine atom.

4. (Currently Amended) A method for producing fluorinated compounds, ~~in~~ which comprising producing a compound represented by the following formula (4) is ~~produced by reaction of~~ by reacting 2-chloro-2,2-difluoroethane-1,1-diol and at least one compound represented by the following formula (3)[[:]]



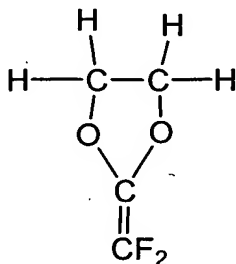
Formula (4)



Formula (3)

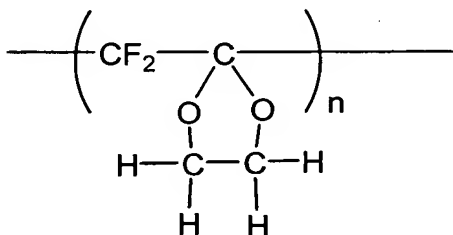
wherein[[:]] in Formula (3), X represents a hydroxy group, a chlorine atom, or a bromine atom.

5. (Currently Amended) A method for producing fluorinated compounds, ~~in~~ which comprising producing a compound represented by the following formula (4) is ~~produced by reaction of~~ by reacting 2-chloro-2,2-difluoroacetaldehyde and ~~ethyleneoxide~~ ethylene oxide.

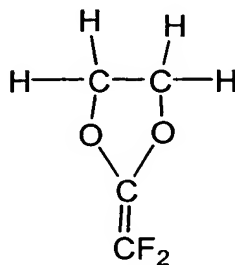


Formula (4)

6. (Currently Amended) A method for producing fluorinated polymers, ~~in which~~ comprising producing a polymer represented by ~~the following~~ formula (1) ~~is produced by~~ polymerization polymerizing the fluorinated compound represented by ~~the following~~ formula (4) obtained by the method according to claim 4.

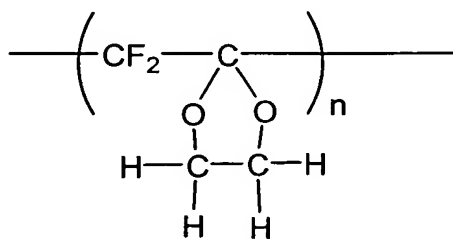


Formula (1)

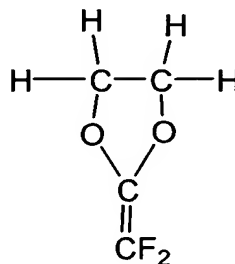


Formula (4)

7. (Currently Amended) A method for producing fluorinated polymers, ~~in which~~ comprising producing a polymer represented by ~~the following~~ formula (1) ~~is produced by~~ polymerization polymerizing the fluorinated compound represented by ~~the following~~ formula (4) obtained by the method according to claim 5 .



Formula (1)



Formula (4)

8. (Original) An optical/electrical material or coating material comprising the fluorinated polymer according to claim 1.